COWICHAN
PERFORMING
ARTS CENTRE

Technical Specifications and Information

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THEATRE ADDRESS

Cowichan Performing Arts Centre	2687 James Street, Duncan, B.C. V9L 2X5

STAFF INFORMATION

Arts and Culture	
Division Manager	Kirsten Schrader
Direct	(250) 746-3425
Cellular	(250) 709-5059
Fax	(250) 748-0054
Email	kschrader@cvrd.bc.ca
Technical Director	Michael Schaefer
Direct Line	(250) 746-427
Cellular	(250) 715-8832
Fax	(250) 748-0054
Email	mschaefer@cvrd.bc.ca
Assistant Technical Directors	Brent Classen David Barton
Fax	(250) 748-0054
Email	atd@cvrd.bc.ca dbarton@cvrd.bc.ca

PHONE NUMBERS

Cowichan Ticket Centre	(250 748-7529 ext. 3210
Backstage	(250) 748-7529 ext. 3231
Control Room	(250) 748-7529 ext. 3267
Front of House	(250) 748-7529 ext. 3258
Dressing Room T-2	(250) 748-7529 ext. 3291
Television Studio Floor & Control Room	(250) 748-7529 ext. 3276

EMERGENCY PHONE NUMBERS

Dial “9” for an outside line as indicated

GENERAL EMERGENCY	9-9-1-1
FIRE	9-746-7171
POLICE	9-746-4125
HOSPITAL	9-746-4141
AMBULANCE	9-746-4233

DOCTORS

Doctor:	Ear, Nose & Throat
Name:	Dr. Adnams
Telephone:	746-7711

CLINIC

Name:	Silverfern Walk-in Clinic
Telephone:	709-9600
Address:	160 Jubilee St.

CHIROPRACTOR

Name:	First Chiropractic Clinic
Telephone:	746-6229
Address:	439 St. Julian St.

DENTIST

Name:	Dr. Gord Pollock,
Telephone:	748-1322
Address:	Ste. 300-2640 Beverly St.

HOSPITAL

Name:	Cowichan District Hospital
Address:	3045 Gibbins Road
Telephone:	746-4141

TAXI COMPANY

Name:	Duncan Taxi
Address:	2910 Allenby Road
Telephone:	746-4444 or 746-4111

Pharmacy

Name:	Festubert Pharmacy
Address:	330 Festubert st
Telephone:	746-7494

GENERAL INFORMATION

Nearest Music Store:	Duncan Music 488 Trans Canada Hwy. Duncan 748-7625 ¼ mile from theatre
Nearest Hardware & Lumber Yard	Home Hardware Ltd. 2656 Beverly St. Duncan 746-4456 ½ mile from theatre

Nearest Dry Cleaners	Mr. One Hour Cleaners 247 Trunk Rd. Duncan 748-3341 ½ of a mile from theatre
Nearest Laundromat	Seabreeze Laundry 372 Trunk Rd. Duncan 748-3021 3 blocks from theatre
Nearest Automotive Shop	Canadian Tire 2929 Green rd 748-6065 2 miles from theatre

FRONT OF HOUSE

Cowichan Ticket Centre	Main floor – Cowichan Centre Telephone - 748-7529 or Local 210
Concession & Coat check	Theatre Lobby – Front of House Telephone – 748-7529 Local 258
Parking	Free adjacent to theatre
Hearing Assistance System	Sennheiser SZI 1029 infrared emitter (stereo signal) 10/ HDI 92P receiver/headsets
Quiet Room	An enclosed room with view of stage, rear of house left, with seating for 8. Subject to availability

LOBBY

Lighting	Main source Colortone 50 Fluorescent (k) 5000 Track lighting all walls par 20 LED (k)3000
Sound System	5/ 70volt ceiling mount speakers 1/ 5disc CD player 1/ Audio Technica wireless mic with stand
Video	2/ Wall mounted Toshiba 20” LCD Flat Panels (CCTV) 1/ LG 60” LCD Wireless internet available. Interact accessible for touring shows

AUDITORIUM

Form	Proscenium / Apron (orchestra pit), opened May 1978
Colour & Texture of House Walls	House walls: stucco - white upper/amber lower Proscenium surround: medium coloured, flat-brown ribbed panel
Air Conditioning	The house and stage are on the same unit; areas cannot be controlled independently; temperature can be adjusted or unit turned off

No. of Permanent Seats	724 Continental style soft seat
No. of Wheelchair spaces/Temporary Seats	7
No. of Vertical Aisles on Main Floor	2 - far left and right of house; no centre aisle
Width of Vertical Aisles on Main Floor	4'-2"
Difference in Elevation from 1st Row of Seats to Last Row	12'-10"
Straight Line Distance from Front Lip of Stage to Last Row of Seats	62'-0"
Distance From Front Lip of Stage to Front Edge of Permanent Seats	4'-10"
Stage Height from House Floor at First Row of Seats	3'-7"
Access from Backstage to Auditorium	Two portable stair units with five steps each, from stage apron into house; available upon request. Permanent stairways off-stage left and right alcoves, six steps each, lead out to corridors running up each side of the house to lobby; six entrance/exit doors in each corridor for access into sides of house. First floor Dressing Rooms area to main complex lobby; elevator or stairway to theatre lobby and access to back of house. In-show access must be pre-arranged.

DRESSING ROOMS

Location of Green Room	First floor Size of room: 36ft.long x 17ft. wide Electrical outlets: 5 Sinks: 1 Dishwasher, Fridge, Microwave oven
Location of Dressing Rooms	First floor
Dressing Room T-1	Type: Principal Capacity: 4 Persons Make-up table: 21' Make-up mirrors with lights: 4 Electrical outlets: 3 Toilets: 1 Showers: 1 Sinks: 1 Size of room: 21' x 10'
Dressing Room T-2	Type: Principal Capacity: 3 Persons Make-up/stylist chairs: 3 Make-up table: 13' Make-up mirrors with lights: 3 Electrical outlets: 3 Toilets: 1 Showers: 1 Sinks: 1 Size of room: 10' x 13'

Chorus Dressing Room 1	Type: Chorus Capacity: 20 persons Make-up table: 50’ Make-up mirrors with lights: 12 Electrical outlets: 7 Toilets: 3 Showers: 3 Sinks: 2 Size of room 31’ x 26’
Chorus Dressing Room 2	Type: Chorus Capacity: 20 persons Make-up table: 50’ Make-up mirrors with lights: 13 Electrical outlets: 5 Toilets: 3 Showers: 3 Sinks: 2 Size of room: 25’ x 29’
Access to Stage from Dressing Rooms	Stage Right and Stage Left; 25 steps; 4’-4” wide stairways w/ 2 landings; doors top & bottom. No elevator to stage level, other than freight elevator. NOTE: All dressing rooms are air-conditioned. Wireless Internet available

REHEARSAL HALL

Location	first floor, Dressing Room level
Size	48’- 0”l x 30’-6”w; min. 10’- 0” acoustically treated ceilings
Floor Material	Marnoilioum set on 3/8” fiberboard & 5/8” T&G plywood, over flat 2x4 sleepers on 16” centres, with 1/4”rubber pads, floated on carpet over base concrete floor
Dance/Movement	barre & mirrors (curtained)
Sound System	1/ Nikko Stereo Amp 1/ Technics dual cassette RS-TR227 1/ Technics 5 disc CD player SL-PD5 1/ Pair Phase-Linear speakers
Number of Musician Chairs	50/ Vinyl Black & Chrome by ChairTex
Number of Music Stands	24/ Black Manhasset Orchestral stand # 50
Conductor Music Stand	1/ Black Manhasset Directors stand # 49
Conductor Chair	2/ Black drafting chair style
Additional Equipment	7/ Yorkville guitar stands
Electrical Outlets	6/ 15 amp 120 volt isolated u-ground

WARDROBE

Location of Laundry Facilities	First floor Storage Room
Number of Portable Clothes Racks	4
Number or Ironing Boards & Irons	4
Clothes Steamer	1/ Jeffy Steamer Model J-2
Clothes Washer	1/ McClary Extra Large Capacity
Clothes Dryer	1/ McClary Extra Large Capacity
Laundry Sink	1/ Single Laundry Tub with hot & cold water

PRODUCTION OFFICE

Location of Production Office	First floor
Furnishings	Desk & chair
Electrical outlets	1/ quad 15amp u-ground 1/ duplex 15amp u-ground 1/ 50amp-range outlet
Phone lines	1/ in-house/local restricted phone (Dial 9)
Size of room	71/2' x 16'
Access	Double doors from dressing room hallway Double doors from Rehearsal hall

RUNNING

Fire Curtain	Emergency Release: Down Stage Left and Right; will release if Fire Alarm goes off or during power failures
Location of House First Aid Equipment	Down stage right Stage Dock Control Booth Concession Dressing Rooms Rehearsal hall
Off Stage Work light on/off switch locations	Down stage left Down stage right Up stage center

STAGE DIMENSIONS

Proscenium Width	41’-8”	
Proscenium Height	Max. 19’-0” Min. 15’-6” (with Valance)	
Stage Depth	36’- 6”	
Distance from Proscenium to Lineset #46	28’-6” (32’-0” when Cyc breasted US)	
From Lineset #46 to Back Wall	8’-0”	
Onstage Crossover	min. 5’-0”	
Wing Space:	Stage Right (Proscenium to Locking Rail) Stage Left (Proscenium to Wall)	27’- 6” 29’ -6”
Overall Width of Stage	98’-8”	
Size of Apron	Depth 18’-5” Width 47’-10”	

STAGE FLOOR

Floor Material & Installation	Robbins Bio –Channels: Engineered-wooden sleeper with 7/16” EPDM Bio-Pads attached, factory encased in a steel channel. Plywood Subfloor-23/32” structural rated sheathing. Flooring- 2 ¼” width x 33/32” thick, Traditional 3rd grade continuous strip XL strip maple flooring as manufactured by Robbins Inc, and graded to exceed MFMA-FJ Standards.
Floor Finish Colour	ROSCO Tough Prime Flat black
Dance Floor	Harlequin Cascade 3 rolls 40’ 3 rolls 57’ NOTE: Dance floor tape costs charged to users
Traps	None
Cable Troughs	3” deep, continuous stage surround Stage left and right, each cover 4’-2”L x 1’-3”W Upstage, each cover 3’-0”L x 1’-0”W

ORCHESTRA

Number of Musician Chairs	50 Fabric Black & Chrome by ChairTex
Number of Music Stands	50 Black Manhasset Concertino stand #48 1 Black Manhasset double Conductors stand
Number of Music Stand Lights	34 - black
Conductors Riser	4’-0” x 4’-0” @ 6” or 8” high with back rail & carpet

Piano for on Stage only	Steinway & Sons Concert Grand - Model D, tuned to A-440. Circa 1922
Clavinova for Stage only	Yamaha CLP-230 NOTE: please give advance notice if you need this instrument in the orchestra pit.
Piano for Stage Rehearsals	Kawai Upright, tuned to A-440
Piano for Rehearsal Hall	Sherlock Manning Upright, tuned to A-440 circa 1908

ORCHESTRA PIT

	Apron, covered by 15 removable plugs, each approx. 2'6"w 12'0"l Pit opening: 37'-6"l x 12'-0"w; Inside dim: 42'-0"l x 15'-0"w x 7'10"d There is a semi-permanent platform in the pit: 24'-6"l x 12'-0"w x 3'-2"h. Call to discuss removal.
Electrical Outlets	15/ 15 amp 110 volt isolated GFCI u-ground; daisy-chain multi outlet AC cable for music lights
Access to Pit	1st Floor/Dressing Room level; 12 steps up to double doors, SR & SL.
Orchestra Size	24 musicians max with current platform configuration

RISERS & LECTERN

Riser Units	48 - 4'x8' metal frame with plywood deck, 6 legs per unit 4 - 4'x4' metal frame with plywood deck, 4 legs per unit Leg lengths available are 6", 12", 18", 24", 30", 36" and 42" 12 - Black skirts 24"x16'
Get-off Step Units	6 - 18" high x 40" wide
Lectern	1- Golden Oak 1- Aluminum

FLY SYSTEM – DATA Link to drawings?

Height of Grid from Stage Deck	50'-2" from deck
Maximum Flying height from Stage Deck	47'-3" from deck (note: future rigging changes may increase this to 49'-0". Call to discuss)
Height of Clear Space above Grid	7'-0"
Grid	Walkable area is industrial galvanized steel grating. All rigging must be distributed to structural beams (loft beams or wells – 12'-0" spacing)
Type of Rigging	Single purchase counterweight system Under hung loft block Under hung headblock
Number of Lines per Set	6 (1/4" 7x19 aircraft cable)
Batten Length & Diameter	60'- 0" x 1½" sched 40 pipe

Total number of linesets	41 (free sets: 25)
Load Capacity of Sets	1160 lb. after balance to pipe weight
Counterweight Guide	Aluminium T-Channel
Location of Operating/Locking Rail	Stage Right deck
No. of Loading Rails	2
Access to Loading Rails	Stage Right caged ladder up to first rail; a caged straight Ladder continues up to second rail and grid.
Height - Stage Deck to First Loading Rail	21'-0" (this jump is a stage-surround catwalk: SR/US/SL)
Height - Stage Deck to Second Loading Rail	46'-0"

Spare Counterweights after all sets are balanced empty

weight	quantity
15 lb.	30
25 lb.	217
30 lb.	300

FLY SYSTEM

Lineset #	Measurements	House Plot	NOTES
1	1' 2"	Valance	removable for show drop; 5-line set
2	2'	Main Drape	motor driven traveller
3	2' 5"	Projection Screen	2-line set, small arbour; 24'-0" batten
4	3' 6"	Legs 1	small arbor; SL/SR battens on 4-line set
5	3' 10"	LX 1	house hang; trim @ 23'-6"
6	4' 10"	-	spare -
7	6' 2"	LX 1a	Mac 500's
8		-	spare -
9		-	spare -
10		-	spare -
11		-	spare -
12		-	spare -
13	10' 0"	Border # 1	house trim @ 21'-0"
14	10' 6"	Legs # 1	20'-0" off Centre line
15	11' 3"	LX 2	house hang; trim @ 24'-6"
16		-	spare -
17		-	spare -
18		-	spare -
19		LX 2a	Mac 500's
20	15' 2"	Midstage Blacks	Traveler; manual operation- tracks/flys
21		-	spare -
22		-	spare -
23	17' 2"	Border # 2	house trim @ 21'-10"
24	17' 8"	Legs # 3	20'-0" off Centre line
25	18' 11"	LX 3	house hang; trim @ 24'-10"
26		-	spare
27		-	spare
28		-	spare
29		-	spare
30		-	spare
31		-	spare
32		-	spare
33		-	spare
34	25' 2"	Border # 3	house trim @ 18'-10"
35	25' 8"	Legs # 4	21'-0" off Centre line
36		BLK SCRIM	sharks tooth

37	26’ 5”	LX 4 (CYC LX)	house hang; trim @23’-4”
38	27’ 4”	-	spare -
39	27’ 10”	-	spare -
40	28’ 4”	Upstage Blacks	Traveler; manual operation- tracks/flys
41	28’ 10”	PVC Cyc w/ Black liner	

NOTES: All draperies can be moved/removed
Measurements are from the setting line at the proscenium arch
Lineset 3 - Projection Screen can be removed w/ prior arrangement;
Lineset 4 - 4-line set w/ two battens @ 13’-0”, one Stage Left, one Stage Right, no pipe in centre

STAGE DRAPERIES

Mains

Valance	Material:	25 oz Velour with 50% fullness
	Colour:	Bordeaux
	Operation:	flys – counterweight; 5 line set
Main Drape	Material:	25 oz Velour with 50% fullness
	Colour:	Bordeaux
	Operation:	motor driven traveller 15 seconds open/15 seconds close
	Control:	DSR panel and Control Booth

Masking

Colour	Black
Material	21 oz. Velour
Legs	3 Pair @ 24’-0”h x 15’-0”w 1 Pair @ 24’-0”h x 6’-0”w
Borders	3 @ 8’-0”h x 60’-0”l
Travellers	2 Sets: each set consists of two panels @ 24’-0”h x 29’-0”w fullness sewn in: 50% Locations: Upstage (lineset 40) & Midstage (lineset 20) Midstage Traveller on rear fold carriers

Cyc & Scrims

Cycloramas	Colour:	Rosco Twin White (PVC)
	Quantity:	2
	Dimensions:	24’-0”h x 54’-0”w
	(Suitable for front or rear projection)	

Scrims	Colour:	White (sharkstooth)
	Quantity:	2
	Dimensions:	21’-6”h x 54’-0”w
	Colour:	Black (sharkstooth)
	Quantity:	1
	Dimensions:	24’-0”h x 54’-0”w

LIGHTING AND ELECTRICAL

Type of Electrical Service	AC
Amperage Available for Portable Control Board	15 amp, 120v, Down Stage Right and Left
Service Hook-up for Touring Systems	3 phase, 4 wire, 400 amps
Service Hook-up Locations	Down Stage Right Down Stage Left
Type of Service Connection	Cam Loc E Series ground and neutral reversed
Location of Lighting Control Booth	Centre, rear of house
Location of Follow Spot Positions	Lighting Control Booth, centre rear of house.
Lighting Control Board (Main Desk)	ETC Insight 3 512 channels Ten pages of 108 sub masters 1 Remote Focus Unit
Backup/Portable Desk	ETC Express 24/48 96 channels 24 channel two-scene operation 48-channel single-scene operation Ten pages of either 12 or 24 sub masters
Location of Main Lighting Board	Lighting Booth at rear of house
Location of Touring Board Control Inputs	Down Stage Right Down Stage Left
Type of Dimmer Control	DMX 512
Location of Lighting Board Remote Inputs	Portable on stage Tech. Station Down Stage Right Down Stage Left Sound Catwalk FOH Catwalks # 1, # 2 House Centre
Make and Model of Dimmers	ETC Sensor
Number and Capacity of Dimmers	Rack # 1 1-96 2.4kw Rack # 2 97-192 2.4kw Rack # 3 193-205 (house/work lights)

	Rack # 4 206-230 2.4kw Rack # 5 231-254 2.4kw Portable Pack 1-12x2.4kw
Location of House Light Controls	Lighting Booth & Downstage Right
Total Number of Circuits	192 – see lighting plot for positions link to Drawings?
Lighting Instruments	2 Lycian 1266 Super Arc 400 2 Par 16 wide 24 ETC Source 4 Par 750 watt 37 ETC Source 4 15-30 deg. 750 watt 22 ETC Source 4 25-50 deg. 750 watt 28 ETC Source 4 26 deg. 750 watt 36 ETC Source 4 36 deg. 750 watt 40 ETC Source 4 50 deg. 750 watt 6 Selecon Aurora 4 cell Linear Cyc unit 1000watt per cell 6 Selecon Aurora Single cell Cyc unit 1000 watt 18 Lee/Colortran Fresnel 10” 1000 watt 10 Mac 500 moving fixtures (NOTE :) The six Selecon Aurora 4 cell Linear Cyc units are prehung on 4th electric for lighting the House Cyc on line 20.
Type of Connectors Used	All wired with 20 amp. 125-volt twist lock
Accessories	24 A size pattern holders for Source 4 12 B size pattern Holders for Source 4 7 Drop in iris units for Source 4 12 10” Barndoors 12 6 ¼” Half hats 24 6 ¼” Gel extenders 24 7 ½” Gel extenders 6 ETC Source 4 - 50deg. lens tubes 17 Morpheus Mfaders with 7 ½” mounting plate 14 6 ¼” mounting plates for Mfaders 1 20 inch Mirror ball with motor 1 LeMaitre G-3000 Fogger/Hazer with remote 2 Apollo Gobo Rotators 3 19 Deg ETC S4 barrels 4 Rosco IPro Image projector
Light Stands	2 Strand Century adjustable heights, max. height 8’ 9 Pipe Stands, 10’ high 1 ½” outside diameter
Step Ladders	1 4 ft. wooden 1 6 ft. wooden 2 8 ft. fiberglass

Personnel Lift

1 JLG 20VP Self-Propelled personnel lift
Working Platform Height 19ft. 6in.
Maximum Platform Capacity 250 lbs.
One person operation; no outriggers required
Unit weight: 2100 lbs.

Extension Cables

1/ 100’ 12/3 SJOOW Cable
18/ 50’ 12/3 SJOOW Cables
18/ 25’ 12/3 SJOOW Cables
31/ 10’ 12/3 SJOOW Cables
28/ 5’ 12/3 SJOOW Cables
1/ 43’-0” x 5 circuit multi-cable
1/ 55’-0” x 5 circuit multi-cable
1/ 65’-0” x 5 circuit multi-cable
18/ two-fers
20/ male twist-lock to 15 amps female u-ground adapters
10/ 15 amp. Male u-ground to female twist-lock adapters

Colour

All Colours listed are Lee and pre-framed.

COLOUR #	# OF 6 ¼”	# OF 7 ½”	# OF 10”	COLOUR #	# OF 6 ¼”	# OF 7 ½”	# OF 10”
101	15	17	18	102	15	16	18
103	15	16	19	104	15	18	18
105	11	16	17	106	10	14	17
107	14	18	18	109	14	16	18
110	16	18	18	111	15	18	17
113	15	18	19	115	12	17	19
116	14	7	18	117	14	19	19
118	12	11	18	119	17	11	18
120	15	16	15	121	14	19	17
122	16	18	12	124	10	15	18
126	16	12	19	127	13	18	16
128	16	22	18	132	7	20	15
134	14	19	16	136	11	10	18
137	14	17	18	138	15	18	18
139	12	17	21	141	12	18	19
142	17	18	18	143	16	17	18
144	14	18	19	147	14	17	18
148	11	18	14	151	9	16	18
152	16	18	17	153	10	16	18
154	13	17	16	156	11	17	18
157	17	14	17	158	17	21	18
159	18	18	18	161	17	19	18
162	14	16	18	164	13	19	19
165	11	16	17	166	14	19	13
170	11	17	19	174	12	19	18
176	16	18	18	179	12	18	19
180	16	12	12	181	16	18	19
182	15	17	18	183	12	10	17
195	13	15	15	196	16	17	17
201		17		207		18	
208		10		210		8	
217		14	18	220		17	
250		2	14	251		26	11
253		9		019	17	15	14

022	15	17	18	036	15		
046	15	19	11	048	14	18	13
058	16	16	13	090	6	18	16
332	16	15	14	343	15	12	12

Cyc Light Colours (not framed)

COLOUR #	# OF 6 ¼"
106	7
119	24
158	2
181	6
196	8
019	2
090	6

COLOUR #	# OF 6 ¼"
116	6
122	2
179	6
195	5
220	2
022	2

Access to Front of House Catwalks, and Boxes: 30 steps, on Stage Right and Stage Left, stairwells 3'-8" and 2'-8" wide, going from stage; stage level to catwalks: 2 landings, 2 doors

NOTE:

- The use of flash pots, flames (including open candles), flame projectors or smoke effects must be pre-approved by the Technical Director and the local Fire Department. The Theatre reserves the right to forbid use of any such effects at any time without debate. A qualified stage technician(s) with Federal Pyro Certification must be present for set-up and operation of all pyrotechnic effects. Due to an oversensitive smoke detection system upgrade, the use of foggers/hazers also requires prior arrangement in order to have these systems temporarily disarmed.

SOUND

Max. House Sound Level	110 dB. Constant
Service Hook-up for Touring Systems	3 phase, 4 wire, 100 amps isolated
Service Hook-up Location	Down Stage Left
Type of Electrical Service	AC
Type of Service Connection	Cam Loc E Series ground and neutral reversed
Location and Number of Isolated 15 amp 120volt U-Ground outlets	6-Split Outlets Down Stage Left 1-Down Stage Right 1-Up Stage Centre 1- Stage Left Light Slot
Audio Mix Positions	A) In house sound cockpit, centre rear of house (Cockpit dimension: 6'-6"l x 5'-4"w; desk @ +2'-2"h) B) Sound Booth at rear of house left with opening window. C) Stage Left wing – monitor mix
Mixing Consoles	House Position: Digico SD8 console 60 ch mono or stereo 24 busses mono or stereo+ 12 Matrix and Dual solo busses, online effects and graphic Eq's, remote stage rack + local I/O Booth Position: Allen & Heath QU-24. Digital 24ch with recording capabilities

	Monitor: Soundcraft SM12 32 mono inputs, 12 mono outputs, 1 stereo output, 4 Programmable mute groups
Type of Consoles Equalization	Digico SD8 (In House Mixing Desk) 60 Mono or 60 stereo inputs. (Equivalent to 120 ch of DSP) On board effects and graphic Eq's High-Pass: Varied from 20 Hz to 400Hz HF and LF: +/-15 dB cut boost at 12KHZ AND 60 Hz respectively. Lo-mid: +/-15 dB cut/boost at 40Hz-1.2 KHz: its Hi-Q switch changes the Q from 1.3 to 2.6 Hi-mid: +/-15 dB cut/boost at 400Hz-12 KHz. A&H QU-16 (Control Room Mixing Desk) 16 Mono inputs, mic or line. 2 ST inputs, 12 mix outs Soundcraft SM12 (Stage Monitor Mixing Desk) 32 Mono inputs High: cut or boost 15db, frequency is variable between 1 kHz and 20 kHz High/Mid: cut or boost 15db, frequency is variable between 450Hz and 12 kHz Low/Mid: cut or boost 15db, frequency is variable between 60 KHz and 1k5Hz Low: cut or boost 15db, frequency is variable between 12Hz and 350Hz

PROCESSING, EFFECTS AND PLAYBACK EQUIPMENT CANNOT BE MOVED

Type of Equalization	Meyer sound Galileo 616
Type of Reverb & Effects	1/ Yamaha SPX 990 (Cockpit) 1/ Yamaha SPX 990 (Monitors) 1/ Yamaha Rev 500 (Control room)
House Audio Snake	40 channel going to: house cockpit 40 channel transformer split going to: Control Booth 40 channel transformer split going to: Monitor mix position SL 12 channel DSR going to snake head on DSL 20 channel return from house cockpit to snake head DSL 10 channel return from Control Room to snake head DSL 12 channel return from snakehead down stage left to DSR 16 channel from Rehearsal Room to snake head DSL 3 channel return to Rehearsal Room 4 microphone inputs in audience area. House left & right, upper and lower.
Location of Audio Snake Head	Down Stage Left at Proscenium Arch
House Speakers	8/ Meyer JM-1P 2/ Meyer UPQ-1P 5/ Meyer HM-1 2/ Meyer 650-P Self-Powered Subs 2/18" 2/ Meyer 700-HP Self-Powered Subs
Position of House Speakers	JM-1P: 4 stage right. 4 stage left (Flown) UPQ-1P: Centre Cluster (Flown) HM-1: Across front lip of stage at deck level

Monitor Speakers	6/ Meyer UM-1P 350 watts (stage) 2/ Meyer UM-100P 350 watts (stage) 2/ Meyer PSM-2 620 watts (stage) 2/ JBL 4412A studio monitors (sound control room) 2/ Fostex Personal Monitor 6301 B (Powered) 4/ KRK , VXT Personal Monitor (powered)
Potential Speaker Locations	Anywhere on stage
CD Player	1/ Denon DN-C680 (Control Room) 1/ Denon DN-600F (FOH)
MP3 Player	1/ Numark iDec (FOH) 1/ Numark iDec (Control Room)
Microphones	3/ Shure 57 4/ Shure. 58 1/ Sennheiser 409 4/ Sennheiser 421 4/ Sennheiser 431 4/ Sennheiser 441 3/ Radial J48 DI's (active) 8/ Radial JDI DI's (passive) 4/ Shure SM81 4/ Shure Microflex 1/ Audix D1 2/ Audix D2 2/ Audix D3 2/ Audix D4 2/ AKG C 414 B-ULS 2/ AKG C 214 2/ AKG CK93 with SE300 capsule
Wireless Microphone	Shure UHF 5/ UR4D Dual Channel Diversity Receiver 10/ UR2 Body-pack Transmitters 10/ Sennheiser MK-2 Microphone 10/ Countryman E6X Earset mic 8/ Shure SM58 UR2 Hand-Held Microphone 4/ Shure SM87 UR2 Hand-Held Microphone 4/ Shure Beta58 (Cartridge only)
Frequency of Wireless Microphones	unit # 1-639.350 unit # 2-642.350 Unit # 3-650.675 unit # 4-663.475 Unit # 5-668.775 unit # 6-676.275 Unit # 7-684.700 unit # 8-695.300 Unit # 9-697.150 unit # 10-692.750
Other Frequencies used in the building	Wireless Comm (Theatre) 450-500 MHz Audio Technica (Theatre Lobby) 656.125 MHz Audio Technica (MPH) 744.85 MHz Audio Technica (Heritage Hall) 737.00 MHz Audio Technica (X2) (Arena) 732.65 MHz 736.65 MHz

Microphone Stands	8/ Straight Round bases 20/ Straight Tripod 6/ Short Tripod 26/ Boom arms 2/ Piano boom arm
Microphone XLR Cable	2/ 50' 8 channel black Digiflex sub snake 2/ 50' 4 channel black Belden sub snakes 12/ 4' black Canare star quad 13/ 10' black Canare star quad 33/ 25' black Canare star quad 10/ 50' black Canare star quad 1/ 100' black Canare star quad 2/ 25' black Belden with black connectors 4/ 50' black Belden with black connectors 1/ 50' red Neutrik 1/ 50' blue Neutrik 1/ 50' green Neutrik 1/ 50' yellow Neutrik 1/ 50' gray Neutrik

INTERCOM

Type of Intercom	Clear Com 1/ MS 400A Main Station 2/ RM-440 Remote Stations HME 1/ RW-800 Wireless 4 channel Base Station
Frequency of Wireless Headset	450-500MHz
Quantity of Headsets	4/ HME 800 Belt Pack (wireless) 6/ Clear Com 501 Belt pack 1/ Clear Com 502 Belt pack 9/ Clear Com CC95 headsets 1/ Clear Com MR-102 Remote stations (located at the Sound cockpit) 1/ Clear Com KB-111A Speaker Station (located at Sound control booth, Lighting control booth, first floor dressing room hallway)
Intercom XLR Cable	4/ 4' yellow Canare star quad 4/ 25' yellow Canare star quad 5/ 50' yellow Canare star quad 1/ 100' yellow Canare star quad
Paging and Program Sound Goes to:	Control Booths Dressing Rooms Green Room Rehearsal Hall Stage Level Dock Theatre Lobby (program only)
Method of Audience Recall	Bell in theatre lobby.
Stage Manager's Desk	Portable with paging mike and convenience outlet
Stage Manager's Desk Locations	Stage Right Stage Left

VIDEO

Service Hook-up for Production Truck	1 phase, 3 wire, 100 amps
Service Hook-up Location	Loading Dock
Type of Electrical Service	AC
Type of Service Connections	Cam Loc E Series ground and neutral reversed 30amp 125/250 volt Twistlock outlet 50amp 125/250 volt Range outlet 50amp 125/250 volt Twistlock outlet
Location of Video Distribution	Sound control booth
In House Video & Cable TV Feeds go to:	Lobby, sound booth, lighting booth, sound cockpit, quiet room, stage right, stage left, TV studio, box office, men's & women's dressing rooms, star dressing rooms, green room, rehearsal room, orchestra pit, loading dock.
In House Modulator Channels	Channel 16 (Production) Channel 69 Channel 71 Channel 73 Channel 75 (FOH in house camera)
BluRay Player	1-Panasonic DMP-BD65
DVD Player	2- Pioneer DVD-7400 players
TV & DVD Portable System	1-Samsung-32inch TV with DVD player on AV cart
Satellite Receivers	2- Bell express-Vu 6131

LCD/VIDEO PROJECTION FACILITIES

Location Of Projector	Rear in house center. Under hung from ceiling truss
Type of Projector	NEC NP4100 with 08ZL lens
Brightness	5700/6400 Lumens
Type of Bulb Used	275 watts UHP (X2)
Inputs	VGA terminal (located Downstage Left) All other feeds come from control room
Projector Control Location	Control Booth rear of house

PORTABLE PROJECTION SYSTEM WITH AUDIO

Type of Projector	1-NEC NP4100 with 08ZL lens (as above)

	1-Cannon LV-7545 3700 lumens
Playback	Samsung V3500 DVD/VHS Combo
Video Monitor	Sony 8.5”
Sound Mixer	Beringer Eurorack MX1604A
Audio Playback	Dennon DN T620 CD/Cassette Combo
Equalization	BSS FCS960 Stereo Eq
Speakers	EV. SXA360 12” self powered on stands (2-Way) EV. ZXA5 15” self powered on stands (2 way)
Projection Screens	1- 9’X12’ (Vinyl) 1- 16’X21’ (vinyl)

LOAD-IN FACILITIES

Equipment is off-loaded at the dock and taken up to stage level via the freight elevator.

Loading Dock	Rear of complex; can accommodate one 50’ trailer at a time Load leveler
Loading Dock Height	3’-2” +/- (Dock plate available)
Dimensions of Freight Elevator	20’-0”l x 10’-4”d x 12’-0”h Max. Load: 11000 lb/ 4989 kg
Stairways to Stage level	Stage Right and Stage Left; 25 steps; 4’-4” wide stairways w/ 2 landings; doors top & bottom
Storage for Crates	Stage Level Dock First Floor Storage Room Additional storage may be available upon prior arrangement

BUS AND TRUCK FACILITIES

Power	Truck:	1/ 15amp 120volt U-ground on dock
	Bus:	1/ 30amp Dryer outlet
		1/ 40amp Range outlet
		4/ 15amp U-ground outlets
City Water	1/ bib-spout at loading dock	

TECHNICAL CONSULTATION

Please note that there is no charge for a pre-production technical consultation. The Technical Director is your link to ensuring the technical aspects of your event are executed in a cost-effective and well organized manner. To arrange crew schedules and to discuss your technical requirements, please contact the Technical Director at (250) 746-3427, by e-mail at mschaefer@cvrd.bc.ca.

STAGE CREW

Stage Crew is represented by I.A.T.S.E. Local 168 Vancouver Island. All crew calls and crew schedules are arranged through the Cowichan Theatre Technical Director.

For work between 24:00 – 08:00 (midnight-8:00am) an additional ½ time premium applies for all crew

Minimum Call
The minimum call is four (4) hours, after which time worked is calculated in 15-minute increments. If a crew member is recalled to work following a break of more than two (2) hours, a new minimum four (4) hour call shall apply.

Meal Breaks:
The maximum working time allowed before a meal break is required is five (5) hours. The normal meal break period is one (1) hour, unpaid. Where time constraints dictate, the client can opt for crew to take a one-half (1/2) hour, paid meal break, which is paid at the prevailing rate and included in the calculation of time worked.

Meal Penalty:
Should a technician be required to remain on duty after a period of five (5) hours, s/he shall be paid an additional 50% of the prevailing hourly rate until released for a meal break or end of call.

USE OF HAZARDOUS MATERIALS IN COWICHAN THEATRE

SUBSTANCE REGULATIONS

Government of Canada legislation requires that the use of “controlled” products in our theatre and center comply with the rules under WHIMS (Workplace Hazardous Materials Information System). Controlled products include:

The WHMIS requirements are contained in the WCB Regulations, Book 2-5.3 to 5.21

1) Compressed Gas
2) Flammable and Combustible Material
3) Oxidizing Material
4) Poisonous and Infectious Material
5) Corrosive Material
6) Dangerously Reactive Material

WHIMIS regulations require that:

a) Anyone using controlled products in the workplace must be informed as to its safe storage, handling, use, and disposal.
b) All containers of controlled products must have warning labels attached that meet regulation requirements.
c) AMSDS (Material Safety Data Sheet) for any controlled product must be available and be maintained in the immediate work area.

Some substances such as explosives, radioactive materials, and tobacco are covered under separate regulations. Smoking in the Cowichan Performing Arts Centre Complex is not permitted under WCB regulations.

OCCUPATIONAL HEALTH & SAFETY REGULATIONS

ASBESTOS IN THE WORKPLACE

Government of British Columbia Legislation and regulations prohibit the use of asbestos materials in the workplace where such use would have the potential risk that asbestos particles could be inhaled into workers lungs.

These regulations, in particular, PROHIBIT THE USE OF ASBESTOS CLOTH AND ASBESTOS COVERED ELECTRICAL CORDS, INCLUDING LAMP EXTENSIONS, ON STAGE LIGHTING EQUIPMENT.

In order to fully comply with these regulations, such hazardous materials SHALL NOT, under any circumstances, be admitted into the Cowichan Performing Arts Centre.

Please advise your appropriate technical staff and/or equipment rental companies of the above, and make them aware of these issues and the associated penalties for contravention of the regulations.

POSSESSION & ACQUISITION LICENSE FOR RESTRICTED FIREARMS

FIREARMS, PROHIBITED OR RESTRICTED WEAPONS.

Canadian Federal Government require that all employees whose job involves, or could involve, the handling of firearms, prohibited or restricted weapons, or prohibited devices or ammunition, must hold a Possession and Acquisition License for restricted firearms.

Please advise the Technical Director if you intend to use any restricted devices in your event so that we can assure that appropriate staff are in place to meet this regulation.

Please consult the Canadian Firearms Centre at http://www.cfc-ccaf.gc.ca/ for additional information on handling and transportation of restricted equipment and materials.